9-2013

LING 571.01: Phonetics and Phonology

Mizuki Miyashita
University of Montana - Missoula, mizuki.miyashita@umontana.edu

LINGUISTICS 471/571
Phonetics and Phonology
University of Montana, Autumn 2013

Syllabus

Time:	MWF 10:10am – 11:00am	Office:	SS 212
Place:	SS 258 (SSRL)	Office hours:	T 12-1, F 1-2 or by appointment
Instructor:	Dr. Mizuki Miyashita	Phone:	243-5164
Email:	mizuki.miyashita@umontana.edu		

Course Description and Objectives

- This course introduces fundamental knowledge of phonetics and phonology. The data materials will cover as many as 20 languages from diverse language families. The course content includes understanding of basic acoustic and articulatory phonetics, developing analytical skills in phonology, and learning introductory phonological theories.
- Class meetings consist of lectures and in-class activities. In-class activities usually are solving data problem sets. These activities provide opportunities to learn the methods required for homework assignments.
- This course fulfills the requirement for MA in linguistics, minor in Linguistics, major/minor in Anthropology and Linguistics option in Anthropology major. This is a co-convened class (LING 471 & 571). Graduate students are assigned to take a leadership during in-class activities.

Learning Outcomes

- By completing this course, students will be able to:
  1. Conduct acoustic phonetic measurements of speech sounds using *praat* (software).
  2. Understand and identify various sounds used in human speech.
  3. Identify systematic patterns of speech sounds by describing the sound distribution, generalizing the patterns, and proposing an analysis.
  4. Learn about phonological theories. (Graduate: Make phonological analyses within various theoretical frameworks (Autosegmental theory, Rule-based theory, Metrical theory, and Optimality theory.)
  5. Read journal papers in phonology. (Graduate: Understand advanced journal papers in phonology.)
  6. Obtain critical thinking skills and written presentation skills that are highly appreciated academic and/or professional environments.

Prerequisites

LING 470 Introduction to Linguistic Analysis

Course Requirements and Grading Criteria

Undergraduate

Homework 1, 2, 3 & 4	40% (10 x 4)
Homework 5 & 6	30% (15 x 2)
Final Exam	20%

Graduate:

Homework 1, 2, 3 & 4	40% (10 x 4)
Homework 5 & 6	10% (15 x 2)
Final Exam	20%
Paper	10%

A	93-100%	B-	80-82%	D+	67-69%
A-	90-93%	C+	77-79%	D	63-66%
B+	87-89%	C	73-76%	D-	60-62%
B	83-86%	C-	70-72%	F	0-59%

Moodle

- This course uses online supplement, *moodle*. http://umonline.umt.edu/
- All homework assignments and supplement materials (data and handouts) are posted here.
- This tool is often updated. Supplemental materials and data sets to be used in class are posted.

Homework Assignments

General Information

- Homework assignments are posted on Moodle.
- Every homework assignment is graded for its *quality*. Most of them require you to sit and think for *many hours*. These assignments do not involve simple and repetitive work. Be ready to dedicate your time. Take it seriously. Assignments are collected in the beginning of class.

Expectations Regarding Homework Assignments

- Your homework assignments **must be typed**. Use **Doulos SIL Compact** for IPA and other phonetic symbols. Computers in labs SS 258 and SS 262 have the fonts installed. (Contact me about other labs on campus.) You may download and install this font in your own computer. (To download free Doulos SIL Compact font, go to http://www.sil.org/.
- **Late assignments** are not considered for full points. It may be considered for full points if the excuse follows the university's policy (University related events, injury, etc.). If your excuse is valid, contact me before due date. In case of emergency, contact me as soon as possible. When your work is turned in late, assume that your score will be about 50% lower than your originally earned score.
- All homework assignments except for the first two involve data analyses. For a data analysis part, you must provide your analysis in a *paper format* which we call "write-up." This follows the writing style in the recent phonology field which you may study by yourself reading phonological articles and the textbook.
- We will go over two writing samples in the first few weeks. You need to use them as models. The way you present your analysis may change when we cover different theories and topics in class. You are expected to keep the basic style, yet to be creative in showing your points to be made.

Questions Regarding Homework Assignments

- I am available for questions on clarification of the data and direction (symbols, phrasing, terminology).
- You may also ask questions on lecture clarification, and theories relevant to the assignment.
- I do not think for you. Improving your problem solving skills is a part of the exercise. You will be graded on how you present and explain your thinking process. Getting a right answer is only a part of the grading criteria.

Term Paper (Graduate students)

- Write a research paper on *phonological data analysis* or a *theoretical concept*. You may work on a language you know or consult a descriptive grammar book of unfamiliar language (avoid using a pedagogical grammar). For your theoretical framework, use one or combination of the following theories: Rule-ordering, Autosegmental Theory, Metrical Theory, and Optimality Theory. 15 page max., including references, double spaced. (References and illustrations are single spaced).
- If you wish to receive direction and comments on your work, there are two opportunities to turn in:
  - (i) data, (ii) data description, (iii) generalization, (iv) theoretical account proposal and (v) references (3 page max.) by November 15th (F), and
  - first draft by November 25th (M).

Textbooks

Required:

Ladefoged, Peter and Keith Johnson. (2011). A Course in Phonetics. 6th edition.Wadsworth Cengage Learning. [L&J] (Bookstore)

Roca, Iggy and Wyn Johnson. (1999). *A Course in Phonology*. Cambridge: Blackwell. [R&J] (Bookstore)

Archangeli, Diana. (1997). "Optimality Theory: An Introduction to Linguistics in the 1990s" IN Optimality Theory: An Overview. Diana Archangeli and Terry Langendoen, eds. MA: Blackwell. (Moodle)

Recommended:

Pullman and Ladusaw.(1986). Phonetic Symbol Guide. Chicago Press. (Bookstore)

Hayes, Bruce. (2009). Introductory Phonology. First Edition. Wiley-Blackwell. [BH] (Bookstore)

Suggested readings

Catford, J. C. (2001). A Practical Introduction to Phonetics. Second Edition. Oxford.

Kenstowicz, Michael. (1994) *Phonology in Generative Grammar*. Cambridge: Blackwell Publishers.

McCarthy John & Alan Prince. (1993) "Prosodic morphology I: constraint interaction and satisfaction", ms., University of Massachusetts. & Rutgers University.

Kagar, Renee. (1999). Optimality Theory. Cambridge.

Accommodation: DSS Service (http://www.umt.edu/disability)

The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students (DSS). If you think you may have a disability adversely affecting your academic performance, and you have not already registered with DSS, please contact DSS in Lommason 154. I will work with you and DSS to provide an appropriate accommodation.

Schedule (Tentative)

This is a tentative schedule: any change will be announced.

	Dates	Topic (Handouts)	*Concepts* & Data	Readings	Due
1	Aug.26 Aug.28 Aug.30	0 Introduction & Preparation 1 Articulatory phonetics	*Preparation* *Articulatory Phonetics* *IPA Chart*	[R&J] Ch1 [L&J] 1-102	
2	Sep. 2 Sep. 4 Sep. 6	**No Class** (Labor Day) 1 Articulatory phonetics (cont.)	*Transcription*		
3	Sep. 9 Sep. 11 Sep. 13	2 Acoustic phonetics	*Formants* *Frequencies*	[L&J] 1-102 [L&J] 136-216	**HW1** Transcription (M)
4	Sep. 16 Sep. 18 Sep. 20	2 Acoustic phonetics (cont.)	*Measurments* *Vowel Plotting*	[L&J] 136-216	
5	Sep. 23 Sep. 25 Sep. 27	3 Phonemics 4 Distinctive Features	*Angas & Kongo, Ewe Liquids* *Phonological neutralizations* *German Obstruents Feature Charts Natural Classes* *Georgian/ Write-up(Georgian)*	[R&J] Ch2&3 [R&J] Ch4	**HW2** Vowel Plotting (M)
6	Sep. 30 Oct. 2 Oct. 4	5 Feature & Autosegmental Theory	*Spanish, Underspecification* *Autosegmental Theory & Feature Tone, Feature Geometry*	[R&J] Ch14&Ch6	**HW3** Natural Class & Greenlandic Eskimo (W)
7	Oct. 7 Oct. 9 Oct. 11	5 Feature and Autosegmental Theory (cont.)	*Akan* *Turkish* *Nisgha*	[R&J] Ch17	
8	Oct. 14 Oct. 16 Oct. 18	6 Rule Ordering, Feeding & Bleeding	*Rule Ordering, Serbo-Croatian* *Feeding and Bleeding* *Write-up Croatian*	[R&J] Ch18	**HW4** Mari (W)
9	Oct. 21 Oct. 23 Oct. 25	6 Rule Ordering, Feeding & Bleeding (cont.)	*Basque* *Tagalog*		
10	Oct. 28 Oct. 30 Nov. 1	7 Syllables & Syllabification	*Syllabification* *Sonority* *Templatic Analysis*	[R&J] Ch9&10	**HW5** Lamba (M)
11	Nov. 4 Nov. 6 Nov. 8	8 Metrical Phonology	*Metrical Theory* *Stress assignments* *Asymmetric Typology*	[R&J] Ch12&13	
12	Nov.11 Nov.13 Nov.15	**No Class** (Veteran's Day) 9 Optimality Theory	*OT Basic concepts* *Motivating OT*	Archangeli [R&J] Ch19	**HW6** Creek (W) Data/descript/account(Grad)
13	Nov.18 Nov. 20 Nov. 22	9 Optimality Theory (cont.)	*Parallelism and Functional Unity*		
14	Nov. 25 Nov. 27 Nov. 29	9 Optimality Theory (cont.) **No Class** **No Class** *Thanksgiving Week*	*Metrical Constraints*		Draft (Grad)
15	Dec. 2 Dec. 4 Dec. 6	9 Optimality Theory (cont.) Summary	*More OT*		(Final Exam)
	Dec. 13	Fri. 10AM (SS212)			**Final Exam & Term Paper**